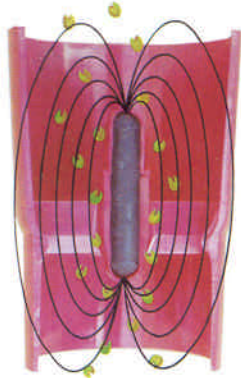


BIO-MAG MAGNETIC SEED TREATER...

The Science of Bio Magnetism is the Study of the Effects of Magnetism on Plant Growth



Question. What is meant by Magnetic seed treating?

Answer. It consists of passing seeds through a magnetic field of predetermined strength.

Q. Are there any chemicals used?

A. No. All of the treating is done by the magnetic field.

Q. What does it do?

- A. Some or all of the following can usually be noted.
1. Earlier germination and emergence.
 2. Bigger percentage of germination.
 3. Better root systems.
 4. Stronger more stress resistant plants.
 5. Shorter growing season, earlier maturity.
 6. Heavier yield.

Q. What plants has it been tried on?

A. In carefully documented tests in Universities, Research Stations, and farms in various locations in North America, substan-



tial yield increases up to 20% have been documented in barley, spring and winter wheat, rye, oats, rape seed, corn, soy beans, potatoes, sunflowers, faba beans, buckwheat, tomatoes, peppers, cucumbers, and sweet corn.

The early maturing aspect is in some cases more interesting than the increased yield. It can permit growing a crop with a longer growing season than can usually be grown in an area, and is of great interest in or near double or multiple cropping areas.

Q. How do you go about treating the seed?

A. If you use bulk seed, you probably have a drill fill auger. The Bio-Mag fits on the end of



HIGHER YIELDS, EARLIER MATURITY.

this auger and the seed passes through it. If you use bagged seed, an attachment is used consisting of a canvas bag completely open at one end and the Bio-Mag attached to the other end. In the field when ready to plant the top of the paper seed bag is torn open, the canvas bag is pulled down over the top of the seed bag much like a pillow slip. The covered bag is then picked up by the operator and the seed is poured through the Bio-Mag seed treater into the seed hopper. (It makes a good spout).

Q. Where did this idea originate?

A. In the Roman Empire it was known that rows planted in a north-south direction grew somewhat better than rows planted east-west. Dr. Urban Pittman at the Dominion Research Station at Lethbridge, Alberta, Canada, is considered to be the first scientist who treated seeds magnetically before planting them, a few years ago.

Q. How widespread is this process now?

A. In southern Alberta alone there were over 1 million bushels of seed grain magnetically treated in 1975. The practise is spreading to all parts of North America and the rest of the world.

Q. How much does it cost to treat my seed?

A. The original cost of the Bio-Mag is extremely low. With bulk seed there is practically no increase in time or labour. With bagged seed it takes approximately 30 seconds to one minute more per bag. If you farm 100 acres and use bagged seed you can estimate that your total cost will be about .14c per acre. If you farm 1000 acres your cost will be about .04c per acre, both figured by writing off the Bio-Mag in 5 years, including all labour costs.

Q. What kind of return should I expect?

A. Yield results vary but some official reports quote 5 - 15% increase. If you were to get a 10% increase on a 100

acre farm, average yield of 100 bushels of corn per acre @ \$3.00 per bushel, you would gross \$30,000 and your profit increase would be \$3000. If you had 500 acres of corn it would make you an extra \$15,000.00. If for any reason the increase was unusually low on your farm, and there was only a 1% increase using the Bio-Mag, it would still give you an additional profit of \$300 on 100 acres or \$1500 on 500 acres.

Q. What about barley and wheat?

A. More tests have been done on these crops than any other and yield increases due to magnetic seed treating are usually good. A 10% increase on 500 acres of wheat @ 40 bushels per-acre and selling price of \$3.00 will give an increase of \$6000.00.

Q. Why aren't results always the same?

A. Bio-Magnetism is much like any other agricultural practise, it is extremely difficult to predict the actual increase in yield in any given crop, year and location.

However, because of the low initial cost and ease of use of the Bio-Mag these increases in yield are very nearly net increases in income, and therefore particularly interesting. Oddly enough many farmers consider yield increase to be a special bonus and consider that if they get earlier and more even germination plus a better root system that this alone pays for the cost of their unit many times over. When all things are considered a Bio-Mag magnetic seed treater is a very fine investment.

WARRANTY

Osine Corporation Ltd. warrants that for a 1 year period seeds passing through a Bio-Mag will be subjected to not less than 50 gauss. No other warranty given or implied including effectiveness of the process.

PATENTS PENDING

"Marketing Guy's" name was here.